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IMAGERY  
ANALYSIS  
DIVISION

PIR

PHOTOGRAPHIC INTELLIGENCE REPORT

HU-TUNG SHIPYARD, SHANGHAI, CHINA

Declass Review by NIMA/DOD

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CIA/PIR 67310

DATE JUNE 1966

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HU-TUNG SHIPYARD

SHANGHAI, CHINA

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SHIPYARD : HU-TUNG SHIPYARD  
LOCATION : SHANGHAI, CHINA  
GEO COORDS: 31-16N 121-34E

# KEY TO ANNOTATIONS ON FIGURE 2

1. Two unidentified probable AO (LOA approx 190'). These units equate proportionately to the vessel shown in Figure 1A which in the ground photography appears to be painted similarly to naval vessels. Imagery at items "A" and "B" on the inset are probably light AA batteries, an armament commonly found on this class vessel.

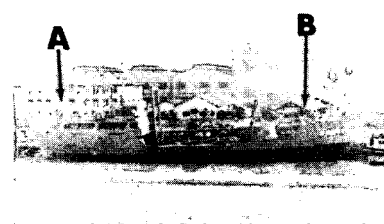


FIGURE 1A

2. TUNG FANG HUNG AG (LOA approx 280'). See annotation 11, Figure 1, [redacted]
3. Unidentified river ferry (LOA approx 270').
4. CHIEN SHE (315' Class) tanker.
5. CHIEN SHE (315' Class) tanker.
6. CHIEN SHE (315' Class) tanker.

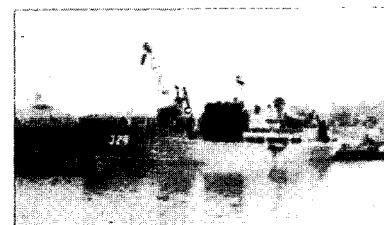


FIGURE 1B

7. TA SHIH Class ASL (apparent LOA approx 335'). The class name of this unit was derived from DIA publication AP-1-230-2-3 INT. Figure 1B is a ground photo of the TA SHIH Class ASL.
8. Unidentified vessel under construction (LOA approx 200'). See annotation 5, [redacted]
9. Unidentified vessel under construction (LOA approx 200'). The vessels at annotation 8 and 9 appear to be similar; however, lack of stereo photographic coverage and poor image quality preclude identification of the type of vessel at this stage of construction. See annotation 4, [redacted]

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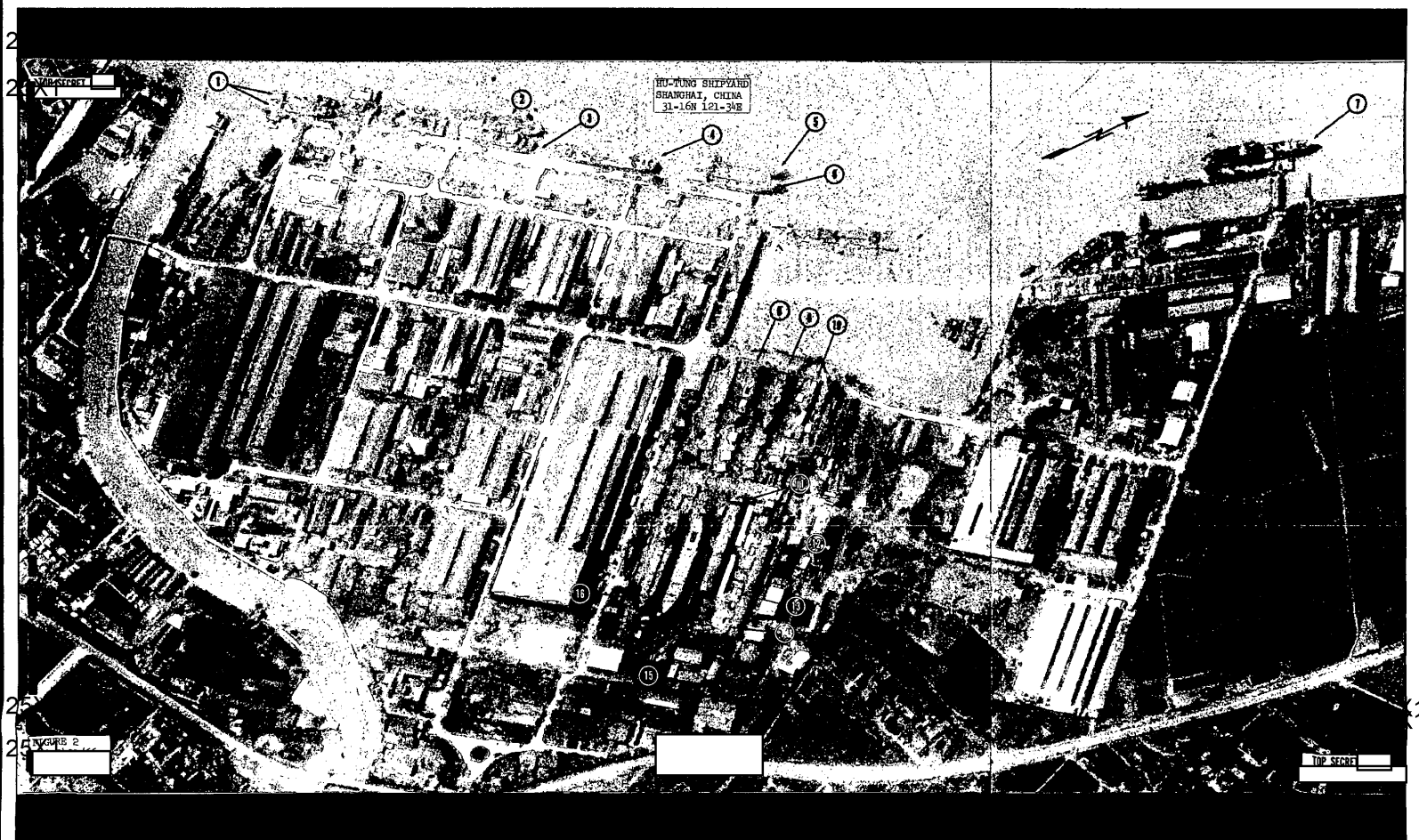
10. Unidentified probable patrol boat on building way (LOA approx 150'). This unit is proportionately and dimensionally similar to vessels observed at the Lu-shun Naval Base and Dockyard (38-48N 121-16E) and the Hai-kou Naval Base (20-01N 110-16E), which resemble the 130 foot version of the SHANGHAI Class PTF. See Appendix III for a pictorial resume' of these units.
11. Weather shed (apparent length approx 310'). Activity within shed remains undetermined. See annotation 1, [REDACTED] and Appendices I and II.
12. Possible PT boat partially covered by weather shed (LOA approx 75'). See annotation 5, Figure 1, [REDACTED]
13. Unidentified small boat partially covered by weather shed (not measured). See annotation 1, Figure 1, [REDACTED]
14. Possible small boat protruding from weather shed (not measured).
15. CHIEN SHE (315' Class) tanker on building way.
16. CHIEN SHE (315' Class) tanker on building way.

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## APPENDIX I

COMPARISON OF GROUND AND OVERHEAD PHOTOGRAPHY,  
HU-TUNG SHIPYARD, SHANGHAI, CHINA

## KEY TO CORRESPONDING VESSEL ANNOTATIONS ON APPENDIX I (FIGURE 3)

1. Unidentified vessel under construction.
2. Weather shed.  
This weather shed is of interest for the following reasons: (1) it is the only major weather shed in the shipyard positioned on a building way; (2) no clue to the type of activity being conducted within the shed has yet been observed; (3) it was first observed in a partially completed state on [REDACTED] with an overall dimension of approximately 300 feet (see Appendix II); (4) a probable security screen has been positioned over the river end of the shed (see inset); (5) it measures approximately 35 feet in width and has a visible height of roughly 35 feet; and (6) when viewed on the ground photography, is somewhat lower in overall height than the vessels being built alongside.
3. Unidentified vessel under construction.
4. CHIEN SHE (315' Class) tanker.
5. CHIEN SHE (315' Class) tanker.
6. Unidentified vessel under construction.
7. Two CHIEN SHE (probable 315' Class) tankers.

KEY TO CORRESPONDING FACILITY ANNOTATIONS ON  
APPENDIX I (FIGURE 3)

- A. Launching basin.
- B. Transverser platform (flooded at time of overhead photograph).
- C. Winch house.
- D. Fabrication building.

NOTE: The overhead photo has been inverted to facilitate orientation with the ground photography.

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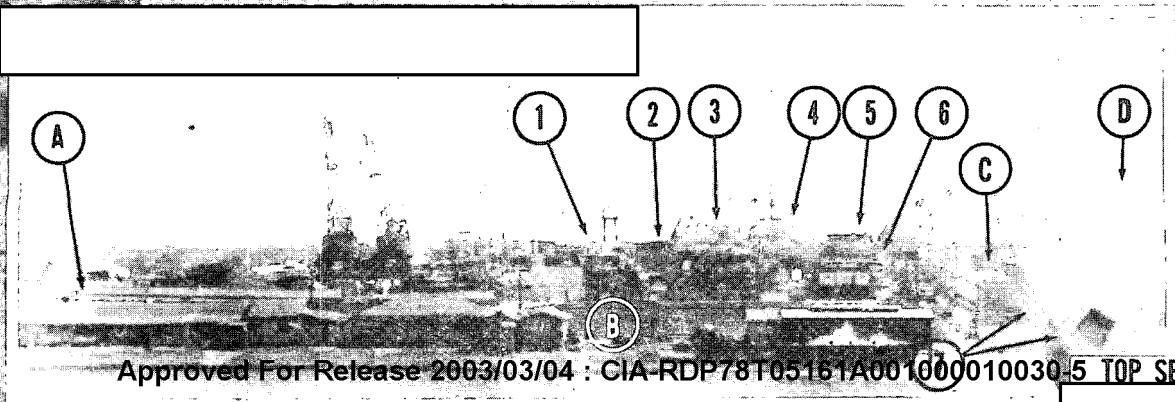
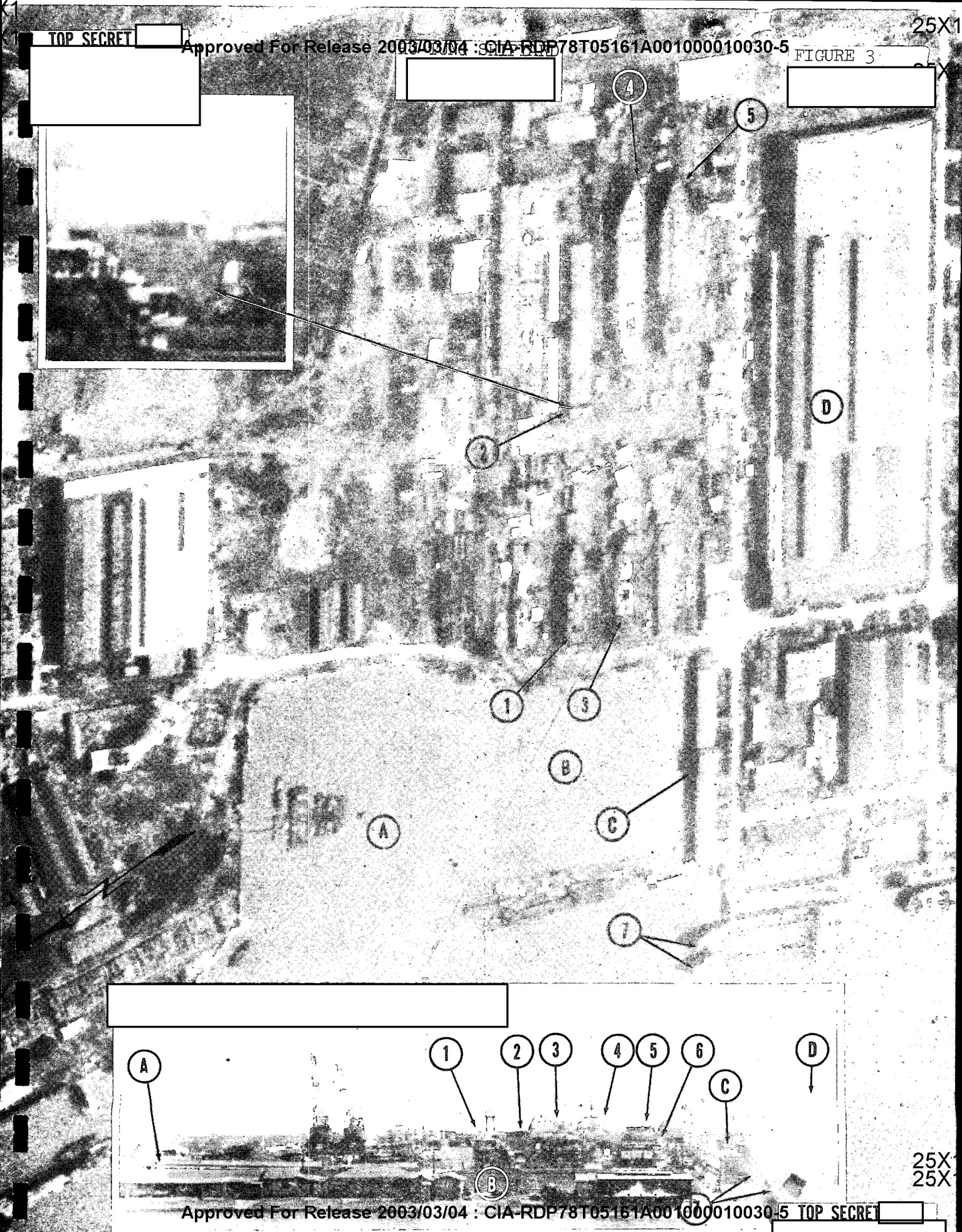
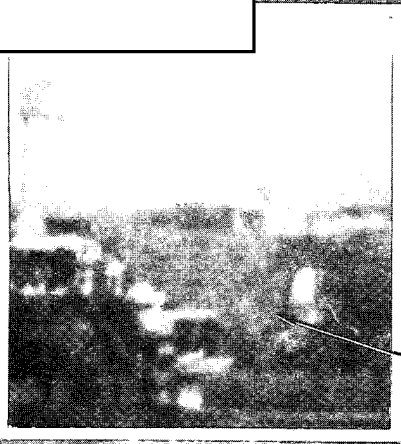
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FIGURE 3



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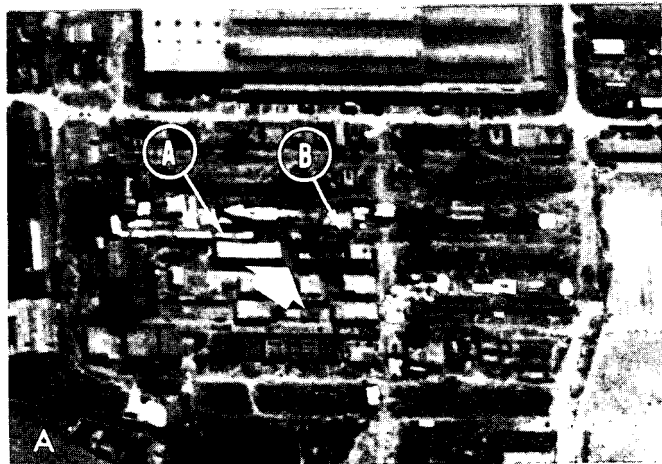
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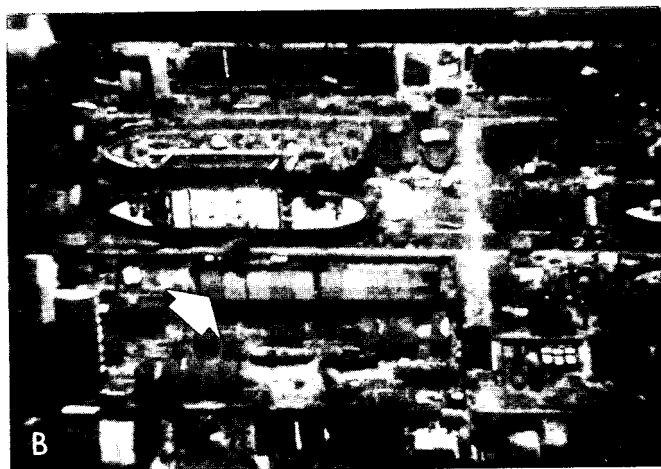
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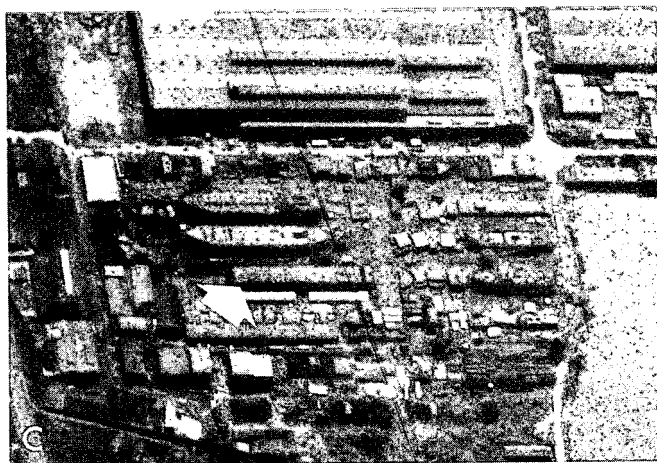
PHOTOGRAPHIC RESUME' OF THE LONG WEATHERSHED  
AT HU-TUNG SHIPYARD, SHANGHAI, CHINA



THE OVERALL DISTANCE FROM THE END POINTS OF BOTH WEATHERSHEDS IS APPROXIMATELY 300 FEET. THE LENGTH OF THE COVERED SHED (A) IS APPROXIMATELY 130 FEET; THE LENGTH OF THE UNFINISHED SHED (B) IS ABOUT 150 FEET. SHED "B" WAS ABOUT ONE QUARTER ROOF COVERED AT THIS TIME. NO SHEDS OF THIS SIZE WERE OBSERVED ON THIS WAY ON



THE OVERALL LENGTH OF THE SHED REMAINS APPROXIMATELY 300 FEET. THE ROOF IS COMPLETE EXCEPT FOR A SMALL GAP NEAR THE MIDDLE AND APPROXIMATELY 30 FEET AT THE TRANSVERSER END OF THE SHED.



THE TOTAL LENGTH OF THE SHED HAS INCREASED TO APPROXIMATELY 310 FEET. THE WIDTH IS APPROXIMATELY 35 FEET. THE ROOF APPEARS COMPLETE EXCEPT FOR A NARROW PORTION NEAR THE TRANSVERSER END OF THE SHED.

FIGURE 4

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## APPENDIX III

UNIDENTIFIED 145-150 FOOT CHICOM  
PROBABLE FAST PATROL BOAT

The identification of two 145-150 foot patrol boats configured much like the 130 foot version of the SHANGHAI Class PTF at two widely dispersed operating bases and the identification of a possible third unit on the building way at Hu-tung Shipyard is indicative of possible new construction of fast patrol vessels. Although there may be no correlation between the vessels depicted in insets "A" through "F" (Figure 5), it must be noted that these units appear (within the limitations of the photography available) to be dimensionally and proportionately similar. Additionally, the unit on the ways at Hu-tung Shipyard (inset "E") has a probable major stern assembly that is nearly identical to the major stern assemblies seen at the Lu-ta Shipyard (38-56N 121-39E). See inset "G".

The vessels shown in insets "B" and "F" are unfinished and/or unarmed units and may not be related to the armed units but are included because of the similarity of their dimensions and proportions. Annotation "D" depicts a vessel measuring 145-150 feet on a building/repair way at the Huang-pu Naval Base and Shipyard (23-05N 113-25E). As in the case of the other patrol boats mentioned above, no positive correlation between this boat and the others can be made other than the similarity of length, proportions and apparent topside configuration. Beam measurements made in stereo on the excellent coverage at the Lu-shun Naval Base and Dockyard (38-48N 121-16E) on [redacted] showed the unidentified unit to have a width of about [redacted] whereas the 130 foot SHANGHAI moored outboard scaled at approximately [redacted]

## ANNOTATIONS TO INSETS ON FIGURE 5

## A. LU-SHUN NAVAL BASE AND DOCKYARD 38-48N 121-16E [redacted]

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The unidentified unit is moored inboard of a 130 foot SHANGHAI Class PTF and outboard of a KRONSTHADT Class PC. The topside arrangement is like that of the SHANGHAI although the bow has a slightly notched appearance which, when viewed in stereo, appears to be higher than the deck level and considerably higher than the bow of the SHANGHAI. This unit has not had the main armament fitted although the secondary weapons can be seen. Faint imagery tends to indicate the probable location of the main mounts near the stern and just forward of the bridge.

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B. LU-SHUN NAVAL BASE AND DOCKYARD 38-48N 121-16E

An unidentified 145-150 foot vessel was first observed at this position in the summer of [REDACTED] This unit was removed from this position prior [REDACTED]

C. HAI-KOU NAVAL BASE 20-01N 110-16E

A patrol vessel measuring 145-150 feet was observed moored outboard of a 120 foot SHANGHAI and inboard of a 130 foot SHANGHAI. Although the unidentified vessel is larger than the 130 foot unit, the configuration appears to be nearly the same.

D. HUANG-PU NAVAL BASE AND SHIPYARD 23-05N 113-25E

The unidentified vessel shown in inset "D" also measures about 145-150 feet in length and is similar to the other units discussed. Canvas awnings cover the deck fore and aft; however, the athwartships secondary batteries appear to protrude abaft the deckhouse. There is insufficient evidence to equate this vessel to the one seen at Hai-kou Naval Base on [REDACTED] although the two are similar in appearance.

E. HU-TUNG SHIPYARD 31-16N 121-34E

A 145-150 foot vessel was observed under construction on the building way. The uncompleted after section of this unit is of interest because of its similarity to the SHANGHAI Class PTF stern major assembly. (See inset "G".)

F. HU-TUNG SHIPYARD 31-16N 121-34E

A previously unreported, unarmed, and unidentified 145-150 foot vessel was observed moored inboard of the downstream fitting-out wharf.

G. LU-TA SHIPYARD 38-56N 121-39E

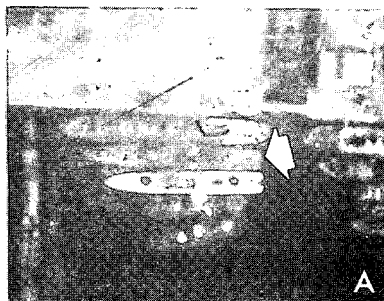
This inset is shown to illustrate the similarity between the stern assemblies on the SHANGHAI PTF and the unit on the way at Hu-tung Shipyard. No PTF hull sections approximating a combined LOA of 145-150 feet were observed at this shipyard on [REDACTED]

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SELECTED SIGHTINGS  
UNIDENTIFIED CHICOM PROBABLE FAST PATROL BOAT  
LENGTH OVERALL 145-150 FEET



LU-SHUN NAVAL DOCKYARD

LU-SHUN NAVAL DOCKYARD



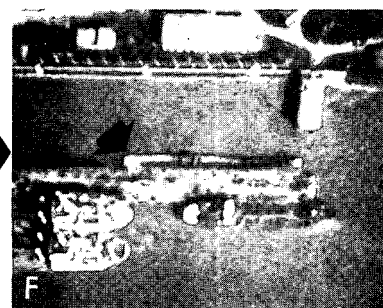
HAI-KOU NAVAL BASE, HAINAN ISLAND

HUANG PU NAVAL BASE AND SHIPYARD,  
KUANG CHOU



HU-TUNG SHIPYARD SHANGHAI

HU-TUNG SHIPYARD, SHANGHAI



LU-TA SHIPYARD, DAIREN

FIGURE 5

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DOCUMENTS

CIA/PIR-67282, Hu-tung Shipyard, Shanghai, China, (TOP  
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CIA/PIR-67287, Hu-tung Shipyard, Shanghai, China,

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DIA AP-1-230-2-3 INT, Naval Ships of Eastern Asia (SECRET)

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